



MATERIAL SAFETY DATA SHEET

Base-Line, Inc.
 5103 "D" Street NW
 Auburn, WA 98001
 (206) 852-6681
 Fax (206) 852-6796

Date Prepared: August 21, 1996
 Updated December 9, 1997

Section 1 PRODUCT IDENTITY

Label Name: Laser Free
Chemical Family: Cyanide-Free
Formula Number: Trade Secret

Section 2 COMPONENT HAZARD DATA

<u>Component(s)</u>	<u>CAS Number</u>	<u>Percentage Ranges (%)</u>
Water	7732-18-5	25.00-60.00
Malonic acid	141-82-2	1.00-5.00
Adipic Acid	124-04-9	2.00-10.00
Sodium Carbonate	497-19-8	1.00-5.00
Sodium Benzoate	532-32-1	1.00-5.00

Section 3 PHYSICAL & CHEMICAL PROPERTIES

Boiling Point: 100 degrees C **Specific Gravity:** 1.04
Vapor Pressure: Approx. 0.023 atm (20 C) **Percent Volatile:** N/A
Solubility in water: Complete **Melting Point:** N/A
Vapor Density: 1.0 **Evaporation Rate:** < 1
Appearance and Odor: Tan color, clear liquid, with glycol odor.

Section 4 FIRE & EXPLOSIVE HAZARD DATA

Flash Point: >93.5 degrees C
Flammability Limits: Upper: N/A Lower: N/A
Extinguishing Media: Use water, carbon dioxide, and dry chemical.
Special Fire Fighting Procedure: Firemen should wear a self-contained breathing apparatus and full protective clothing.
Unusual fire and explosive hazards and physical hazards: Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame. Avoid spreading

Section 5 REACTIVE DATA

Stability:Stable under normal ambient temperature and pressure.
Conditions to avoid:Open flame and excessive heat.
Incompatibility:Avoid strong oxidizing agents.
Hazardous decomposition products: None
Hazardous polymerization:Will not occur

Section 6 HEALTH EFFECTS OF EXPOSURE

Emergency and First Aid Procedures

Eyes: Immediately flush eyes with water. Remove any contact lenses and continue flushing for at least 5 minutes. and seek medical attention if irritation persists.

- Skin:** Wash off in flowing water or shower. Get medical attention if irritation develops and persists. Remove contaminated clothing.
- Ingestion:** Drink one or two glasses of water and induce vomiting. Get medical attention.
- Inhalation:** Remove victim to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Get medical attention.

Health Hazard Data

- Primary Routes of Entry:**Inhalation; Ingestion; Skin Contact; Eye Contact.
- Published Exposure Limits:**N/A.....
- Listed as Carcinogen:**The components of this product haven't shown any evidence of carcinogenicity.
- Effects of Acute Exposure:**May be mild irritation of skin, eyes, nose, and throat.
- Effects of Chronic Exposure:**Prolonged and repeated overexposure may cause dermatitis.

Section 7 **SPILL OR LEAK PROCEDURES**

Steps to be taken in case the material is released or spilled:.....

- Spill or Leak:** Wear appropriate respirator and other protective clothing. Shut off source of leak only if it is safe to do so. Dike and contain. Soak up residue with absorbent such as clay, sand or other suitable material. Place in non-leaking containers and seal tightly for proper disposal. Flush area with water to remove trace residue.
- Disposal:** Consult with Federal, state, and/or local regulatory agencies for appropriate disposal methods.

Section 8 **RECOMMENDED CONTROL MEASURES**

- Respiration Protection:**Not normally required.
- Ventilation:**Local exhaust recommended
- Protective Gloves:**Latex, Dry rubber or neoprene water-proof gloves.
- Eye Protection:**Safety glasses to avoid chemical splash.
- Other Protective Equipment:**It is suggested that a source of clean water be available in the work area forflushing eyes and skin. Impervious clothing should be worn as needed.

Section 9 **SPECIAL PRECAUTIONS**

- Special Handling & Work Practice:**.....Do not take internally. Ventilation in work area should be sufficient. Remove and wash contaminated clothing immediately.
- Storage Requirements:**.....Empty containers retain product residue and can be dangerous. Do not

Section 10 **TRANSPORTATION DATA**

This product is not hazardous material for (DOT) shipping

- VOC:** N/D
- SARA:** N/D

Section 11 **PRECAUTIONARY LABELING**

For Industrial use only
 Keep out of reach of children
 See literature and/or container for additional information

HMIS RATING:	Health	1
	Flammability	0
	Reactivity	0
	Personal Protection	B

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